

Summary of NCSX SIT Meeting of Monday, Dec. 16, 2002

1. Planning for Future Reviews (Hutch)

We will propose to have the PDR in June, 2003 and the EIR in July. Review plan will be discussed with DOE at the next IPT meeting, Dec. 17.

The CDR Recommendations Tracking Log is to be updated this week. The time scale for resolving each issue should be noted (either already closed, PDR, or long-term). Where appropriate, current status should be noted. ACTION: Mike, Wayne
The PAC-6 recommendations will be added to the tracking log. ACTION: Hutch

2. Coil Design (Mike)

A coil design designated M50_256.z01 was selected at a subsequent meeting. The data have already been posted, and engineering will proceed to develop the design based on this geometry. Physics will proceed with further analyses to complete the documentation of physics properties.

Physics will generate S1 and S2 equilibria needed by Engineering.

3. Critical Issues (Wayne)

- * Allocation of space to build elements between the winding center and the plasma surface is now a critical issue. The coil-vessel gaps must be sufficient to accommodate assembly. The optimum gap width will likely be non-uniform. Space requirements for trim coils is an issue. This will be addressed at the Engineering meeting on Weds., Dec. 18.

- * Physics requirements for trim coils and magnetic diagnostic configuration need to be defined to establish interfaces with the vacuum vessel.

- * The PAC advised further analysis to justify the insulating breaks in the structure.

4. Manpower Planning (Wayne)

Mike Viola will lead a trade study of vacuum vessel joint options (bolted, welded, hybrid)

Erik Perry will develop final assembly plans for the PDR.

Charlie Gentile will develop an Integrated System Test Plan for the PDR.

5. Next SIT Meetings: Monday, Jan. 6 at 11:00 a.m. EST.

Summary by:
Hutch Neilson